

Patent Abstracts of Japan

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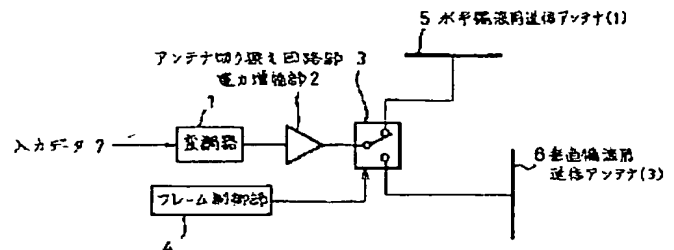
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TITLE : RADIO TRANSMITTER



ABSTRACT : PURPOSE: To realize transmission antenna hopping, whose reception quality is improved without a sufficient interval between transmission antennas by providing a means for switching a polarized wave being a transmission signal to the transmitter.

CONSTITUTION: A modulator 1 modulates received data, limits its frequency band and converts the data into a radio frequency band signal. A power amplifier section 2 amplifies the radio frequency band signal and an antenna switching circuit section 3 provides the radio frequency band signal to either a horizontally polarized wave transmission antenna 5 or a vertically polarized wave transmission antenna 8 under the control of a frame control section 4. The frame control section 4 controls the antenna switching circuit section 3 in the unit of frames to switch the antennas 5 and 8. Then the radio frequency band signal is emitted into space as a horizontally polarized wave from the antenna 5 and as a vertically polarized wave from the antenna 8. Thus, a radio wave propagation path from the sender to the receiver is changed by switching the polarized wave to be sent without changing the position of the antennas 5, 8.

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